

SMSgt (Ret.) Rob Rosenberger

Twitter @rsnbrgr

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EO 12958: 13 JAN 1975 My accession: 12 OCT 2021 Initials: TRG

Title: B-47 ENDURANCE/DISTANCE RECORD FLIGHT, A/C
43D BOMB WING/CC COL. DAVID A. BIRCHINAL

Date(s): 17-19 NOVEMBER 1954

Call: K-WG-43-SU-RE

Volume: N/A

☐ ALL ☒ Selected Papers ☐ Except

FRONT MATTER; PART I, "TESTIMONIALS" IAW UCMJ ART. 31

PART II, "AIRCRAFT INSPECTION + MAINTENANCE RECORDS"

PART III, "REPORTS ON FLIGHT OF B-47 52-062"

1. WEEKLY ACTIVITY REPORT.

2. REPORT ON FLIGHT, SUBMITTED BY: S.D. RUSSELL.

3. POSTFLIGHT INSPECTION OF SYSTEM PRESSURES ON B47 #062.

4. AIRCRAFT FLIGHT REPORT.

PART 4, NAVIGATION RECORDS

PART 5, REFUELING + MISSION RECORDS (11 REFUELS, NOT 9) → TWO TANKS ON TWO REFUELS

(5) & (11) R/R Completed w/ Tanker from 43 AR (306 TB)

1st TANKER
UNKNOWN

2604	2603
2860	2897

AIR REFUELING LOG

to 17-18-19 Nov 54 Receiver Acft No. 062 Tanker Acft No. 2613 2894 Tanker Unit Designation 43 AR

Aircraft Commander	Time of Contact	Time of Dis- connect	Total Time	Pounds of Fuel Transf	Rflg Alt	WET HOOKUPS		Max Int & Ext Cap	Rad Sil	Day	Nite	Total		Type Rend Equip	Day	Nite	RENDEZVOUS				
						Receiver Gross Weight	Max Int Cap					Wet	Dry				Start Rend Time	Line of Sight Sep	Initial Signal Time	Initial Signal Sep	Rend Comp Sep
BURCHINAL (1)	1715	1736 1/2	21 1/2	53,050	18M	13,900	No	No	No	✓		✓	✓	NONE			Visual	RENDEZVOUS			
FAHART (2)	0132 1/2	0151	18 1/2	52,400	15M	13,500	✓	✓	✓		✓	✓	✓	NONE	✓		Visual	RENDEZVOUS			
BURCHINAL (3)	0343	0612	29	57,080	18M	14,700	✓	✓	✓		✓	✓	✓	APN11	✓		Visual	RENDEZVOUS			
BURCHINAL (4)	1038	1055 1/2	17 1/2	53,650	17M	15,300	✓	✓	✓			✓	✓	APN11	✓		Visual	RENDEZVOUS			
FAHART (5)	1616	1635	19	47,400	18M	14,500	✓	✓	✓			✓	✓	APN11	✓		Visual	RENDEZVOUS			
FAHART (6)	2136	2156	20	50,000	18M	15,000	✓	✓	✓		✓	✓	✓	APN11	✓		Visual	RENDEZVOUS			
BURCHINAL (7)	0332 1/2	0339	6 1/2	15,000	15M	11,0350	✓	✓	✓		✓	✓	✓	APN11	✓		Visual	RENDEZVOUS			
BURCHINAL (8)	0340	0346 1/2	6 1/2	15,000	15M	11,9860	✓	✓	✓		✓	✓	✓	APN11	✓		Visual	RENDEZVOUS			
BURCHINAL (9)	0345	0354	6	27,150	18M	14,800	✓	✓	✓		✓	✓	✓	APN11	✓		Visual	RENDEZVOUS			
BURCHINAL (10)	0653	0709	16	44,930	19M	16,400	✓	✓	✓		✓	✓	✓	APN11	✓		Visual	RENDEZVOUS			
BURCHINAL (11)	0711	0717	8	10,300	18M	17,700	YES	✓	✓		✓	✓	✓	APN11	✓		Visual	RENDEZVOUS			

(See Reverse Side for Instructions)

INSTRUCTIONS

The Aircraft Commander will be responsible for the completion of this form to supplement general entries in the navigation and cruise control logs whenever air refueling and radar rendezvous is attempted and/or completed. This form when applicable will be turned in to squadron operations for processing and forwarding to the Wing Air Training Records Section along with other forms and logs as required by Wing Regulation 50-5, 23 December 1953, as amended.

BOMBING FLIGHT RECORD

DATE

17 NOV 54

RADAR-BOMBARDIER

NAVIGATOR

AIRCRAFT COMMANDER

WING

SQUADRON

CREW NUMBER

AIRCRAFT (Type, Model and Serial Number)

RADAR-BOMBSIGHT (Type and Model)

BOMB (Size and Type)

FORMATION POSITION (If applicable)

NUMBER OF AIRCRAFT

BOMBING ALTITUDE COMPUTATIONS

TARGET DESIGNATION

MARRAKECH

MAG VAR

RADAR ALTITUDE

(+) TERRAIN ELEVATION

TRUE ALTITUDE

(-) TARGET ELEVATION

RADAR BOMBING ALTITUDE

BAROMETRIC PRESSURE

PRESSURE ALTITUDE
OF TARGETINDICATED PRESSURE
ALTITUDEPRESSURE ALTITUDE
ABOVE TARGETBASIC AIR TEMPERA-
TURE(-) COMPRESSION
ERRORTRUE AIR TEMPERA-
TUREGROUND TEMPERA-
TURE °C

MEAN TEMPERATURE

BOMBING ALTITUDE C-2

"Q" FACTOR (If used)

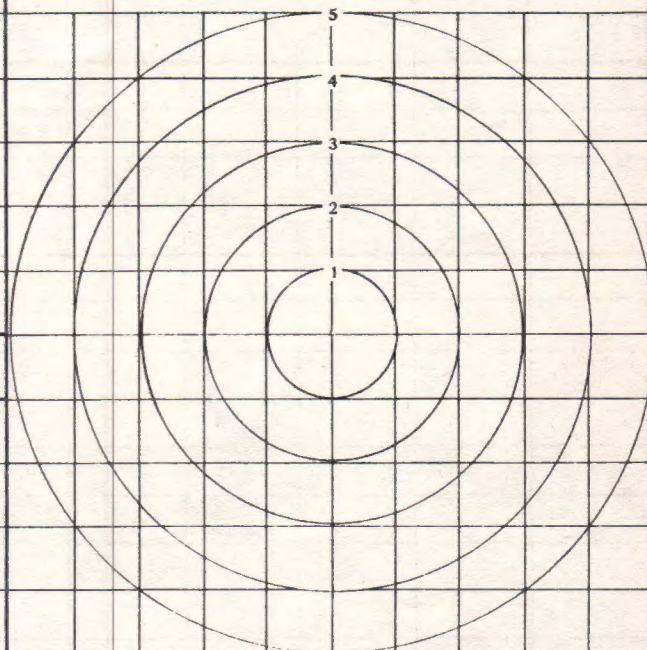
EQUIVALENT AIR SPEED

TRUE AIR SPEED (Knots)

TRAIL

TIME OF FALL OR DISC
SPEED

BOMB PLOT



DIRECTION OF FLIGHT

REMARKS

BOMBING RANGE OR RBS TARGET		MARRAKESH																		
TARGET NUMBER		B	G																	
APPROACH NUMBER		1	2																	
RELEASE NUMBER		1	2																	
RUN TYPE ¹		X	X																	
RUN CLASSIFICATION ²		4	4																	
NUMBER OF BOMBS		-	-																	
O F S E T	AIMING POINT																			
	N/S OR BEARING																			
	E/W OR RANGE																			
BOMBING ALTITUDE (H)		35.2	35.2																	
TRUE AIR SPEED (VA)		424	424																	
TRUE HEADING (AT)																				
TRAIL (Feet or M)		8549	8549																	
TIME OF FALL OR DISC SPEED		53.7	53.7																	
DRIFT																				
TANGENT D/A																				
GROUND SPEED (Knots)																				
D I R E C T I O N	DIRECTION (N/S)	505	505																	
	VELOCITY (E/W)	E14	E14																	
TIME OF RELEASE		15:54	16:16																	
AIRCRAFT CONTROL		AP	AP																	
METHOD OF RELEASE		AT	AT																	
GRID SCORE		120456	153452																	
E R R O R S	OVER - SHORT																			
	AMOUNT																			
	RIGHT - LEFT																			
	AMOUNT																			
	CIRCULAR																			
SCORING METHOD																				

¹ Use the following code to designate Run Type:

X - Record run
 O - Practice run
 M - Malfunction run
 G - Ground position indicator
 P - Mining
 A - Ground Radar Directed
 S - Shoran bombing

² Use the following code to designate Run Classification:

0 - Synchronous optical
 1 - Radar optical
 2 - Fixed angle radar
 3 - Coordinated radar
 4 - Synchronous (radar direct)
 5 - Synchronous (radar offset)
 6 - Coordinated (optical)
 7 - Fixed angle (optical)
 8 - Other radar
 9 - Synchronous (radar direct with offset checking)
 A - Other visual

BOMBING FLIGHT RECORD

DATE

17 Nov. 54

RADAR-BOMBARDIER

NAVIGATOR

AIRCRAFT COMMANDER

M.C. Coy, F.A.

Earhart, P.H.

WING

SQUADRON

CREW NUMBER

4314

65th

R 35-B0

AIRCRAFT (Type, Model and Serial Number)

RADAR-BOMBSIGHT (Type and Model)

B47 E 062

BOMB (Size and Type)

FORMATION POSITION (If applicable)

NUMBER OF AIRCRAFT

1500# GP

1

BOMBING ALTITUDE COMPUTATIONS

TARGET DESIGNATION

KSAK-SG ROLL K

MAG VAR

10 W

RADAR ALTITUDE

(+) TERRAIN ELEVATION

TRUE ALTITUDE

(-) TARGET ELEVATION

RADAR BOMBING ALTITUDE

32,000

BAROMETRIC PRESSURE

PRESSURE ALTITUDE
OF TARGETINDICATED PRESSURE
ALTITUDE

35,000

PRESSURE ALTITUDE
ABOVE TARGETBASIC AIR TEMPERA-
TURE(-) COMPRESSION
ERRORTRUE AIR TEMPERA-
TUREGROUND TEMPERA-
TURE °C

MEAN TEMPERATURE

BOMBING ALTITUDE C-2

"Q" FACTOR (If used)

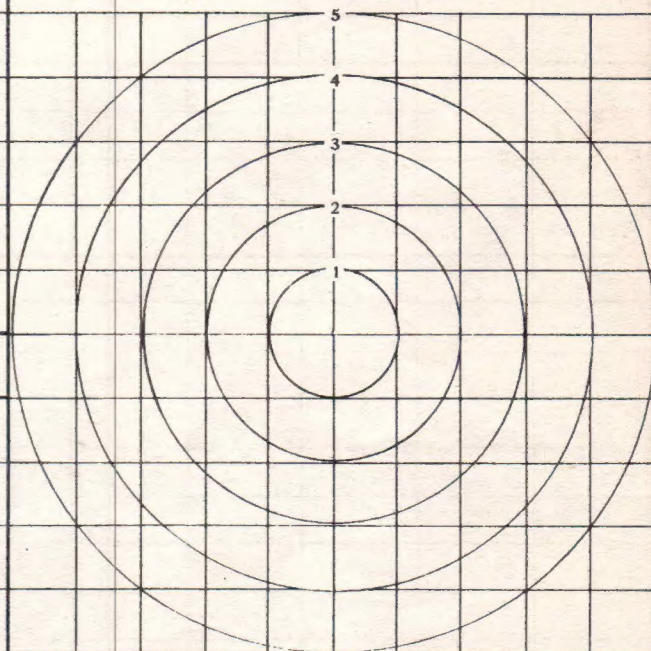
EQUIVALENT AIR SPEED

TRUE AIR SPEED (Knots)

TRAIL

TIME OF FALL OR DISC
SPEED

BOMB PLOT



DIRECTION OF FLIGHT

REMARKS

BOMBING RANGE OR RBS TARGET		KSAR ES	SOAK							
TARGET NUMBER										
APPROACH NUMBER		1	2	3	4					
RELEASE NUMBER		1	2	3	4					
RUN TYPE ¹		X	X	X	X					
RUN CLASSIFICATION ²		0	0	0	0					
NUMBER OF BOMBS		1	1	1	1					
OFFSET	AIMING POINT									
	N/S OR BEARING									
	E/W OR RANGE									
BOMBING ALTITUDE (H)		32 m	32 m	32 m	32 m					
TRUE AIR SPEED (VA)		410	410	410	410					
TRUE HEADING (AT)		069	064	063	063					
TRAIL (Feet or M)		3200	3200	3200	3200					
TIME OF FALL OR DISC SPEED		45.65	45.65	45.65	45.65					
DRIFT										
TANGENT D/A										
GROUND SPEED (Knots)										
DIRECTION	DIRECTION (N/S)	S 03	S 05	S 05	N/S 0					
	VELOCITY (E/W)	E 05	E 08	E 08	W 03					
TIME OF RELEASE		13:53	14:12	14:30	15:05					
AIRCRAFT CONTROL		AP	AP	AP	AP					
METHOD OF RELEASE		K 2	K-2	K-2	K-2					
GRID SCORE										
ERRORS	OVER - SHORT	0								
	AMOUNT									
	RIGHT - LEFT	R			L					
	AMOUNT									
	CIRCULAR	270'	—	—	440'					
SCORING METHOD		PHOTO	NO PHOTOS	PHOTO						

¹ Use the following code to designate Run Type:

- X - Record run
- O - Practice run
- M - Malfunction run
- G - Ground position indicator
- P - Mining
- A - Ground Radar Directed
- S - Shoran bombing

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- 0 - Synchronous optical
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- 3 - Coordinated radar
- 4 - Synchronous (radar direct)
- 5 - Synchronous (radar offset)
- 6 - Coordinated (optical)
- 7 - Fixed angle (optical)
- 8 - Other radar
- 9 - Synchronous (radar direct with offset checking)
- A - Other visual

TYPES OF MSNS
#4-TNG. MSN.
#5-TEST HOP
#6-FERRY/MISC.

DATE OF TAKE-OFF
MISSION TYPE

B-47 MISSION ACCOMPLISHMENT FORM
CREW NO. 12NOV54
ACFT. NO. 52-062

BOMBARDMENT SQUADRON (M)
DAY TIME 21:35
NIGHT TIME 26:00

(17NOV) (19NOV)
TAKE-OFF 1230 LAND 1205
TOTAL TIME 47:35

POSITION

AIRCRAFT CO. MANAGER

CO-PILOT

OBSERVER

PRIMARY CREW

BARRETT, R.H. MAJ (1P)

FRANKO, STEVE CAPT

MCCOY, F.A. MAJ

SUBSTITUTION - NAME & CREW NO.

BURCHINAL, D.O. COL (ALC)

BOMBING

SCH COMF
AOB

NAVIGATION

SCH COMF
AOB

AIR REFUELING

SCH

COMPLETED

CREW REQUIREMENTS

SCH COMF

RADAR RBS MAINTENANCE

NITE CEL. LEGS (RECORD)

RADAR REMDZ ATTEMPTED

NORMAL GUNRY MSNS (ROUNDS FIRED)

GPI RADAR RBS MAINTENANCE

DAY CEL. LEGS (RECORD)

RADAR REMDZ SUCCESSFUL

COMBAT LOAD MSNS (ROUNDS FIRED)

RADAR RBS RECORD DIRECT

DAY CEL. LEGS
(PRESSURE PATTERN)

RADAR REMDZ SUCCESSFUL
IN DARKNESS

LRCC MISSIONS

RADAR RBS RECORD OFFSET

GRID NAVIGATION LEGS

TOTAL WET-HOOKUPS ATT.

LRCC PERCENT VARIATION

RADAR RBS REC AT 40,000'

GRID LEGS UTILIZING
CELESTIAL OBSERVATION

TOTAL WET-HOOKUPS SUCC.
(5 min. - 6,000#)

MAX GROSS WEIGHT
ATO ASSISTED T/O

RADAR RBS REC W/IRI. PHOTO

RADAR LEGS

WET HOOKUPS SUCCESSFUL
IN RADIO SILENCE

STANDBYBOARD CHECK (WG OR SC)

VISUAL RBS RECORD

CONTROLLED ETA's

WET HOOKUPS SUCCESSFUL
20,000' OR ABOVE

HRS DEPRESSURIZED FLYING

VISUAL RELEASES RECORD

NITE CEL. LEGS (PRACTICE)

NIGHT WET-HOOKUPS
SUCCESSFUL

SIMIL EMER PROCEDURE MISSIONS

RADAR CAMERA RUNS RECORD

DAY CEL. LEGS
(OBS - CF)
(PRACTICE)

WET HOOKUPS SUCCESSFUL
MAX INTERNAL FUEL
CAPACITY OR 180,000#

PILOT PROFICIENCY

GPI RADAR CAMERA RUNS REC

FOR/N NAVIGATION LEGS

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

HRS OF PILOT PROFICIENCY

VISUAL CAMERA RUNS RECORD

LETDOWN-LOW APPROACH
UTIL. AIRBORNE RADAR

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

TAKE-OFFS (DAY-NIGHT)

RADAR RBS PRACTICE

NITE CELL TACTIC MSNS

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

LANDINGS (DAY-NIGHT)

VISUAL RBS PRACTICE

NITE CELL TACTIC MSNS

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

LANDINGS (DAY-NIGHT)

VISUAL RELEASES PRACTICE

NITE CELL TACTIC MSNS

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

LANDINGS (DAY-NIGHT)

RADAR CAMERA RUNS PRACTICE

NITE CELL TACTIC MSNS

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

LANDINGS (DAY-NIGHT)

VISUAL CAMERA RUNS PRACTICE

NITE CELL TACTIC MSNS

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

TOTAL HRS FORM (44n-3 ACFT)

VISUAL RELEASES PRACTICE

NITE CELL TACTIC MSNS

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

LANDINGS (DAY-NIGHT)

RADAR RELEASES (T-59)

NITE CELL TACTIC MSNS

WET HOOKUPS SUCCESSFUL
MAX INTERNAL & EXTERNAL
FUEL C/P (34n-190,000#)

LANDINGS (DAY-NIGHT)

43D Form 356, 29 Jun 54 (supersedes 43D Form 356, 12 Dec 54)

PILOT PROFICIENCY	SCH A/C	COMP C/F	PILOT PROFICIENCY (GENERAL)	SCH AC	COMP C/F	REFUELING (GENERAL)	SCH A/C	COMP C/F	OTHER DRILLS	SCH C/F
INSTRUMENT TAKE-OFF	/		LONG RANGE DESCENT	/		OBSERVE IN-FLIGHT REFUELING CONTACTS (B-47 or KC-97)	/		BAIL-OUT DRILL	
SUPERVISED HEAVY WEIGHT TAKE-OFF	/		AIR-START PROCEDURES	/		SUPERVISED DAY DRY REFUELING CONTACTS	/		CRASH LANDING DRILL	
LAND FULL STOP WITH OUT DRAG CHUTE	/		VOR APPROACH	/		SOLO DAY DRY REFUELING CONTACTS	/		DITCHING DRILL	
LANDINGS	/		ADF APPROACH	/		SUPERVISED DAY REFUELING CONTACTS	/		EMERGENCY OPERATION LUG GEAR, WING FLAPS	
SMALL FIVE ENGINE LANDINGS	/		IIS	/		SUPERVISED NITE REFUELING CONTACTS	/		BRAKES & BOWBAY DOORS	
SMALL FOUR ENGINE LANDINGS	/		LEFTDOWN-LOW APPROACH	/		SOLO NITE DRY REFUELING CONTACTS	/		ENGINE FIRE DRILL	
SMALL THREE ENGINE GO-AROUNDS	/		JET PENETRATION	/		SUPERVISED NITE REFUELING CONTACTS	/			
SMALL FIVE ENGINE GO-AROUNDS	/		HOOD TIME	/		REFUELING IN-FLIGHT OPERATION CONTACTS	/			
SMALL FOUR ENGINE GO-AROUNDS	/		WEATHER TIME	/			/			
SMALL THREE ENGINE LOW SPEED & SEC. STALL RECOVERY	/		FIGHTER INTERCEPT MANS	/			/			

REMARKS AND REASONS FOR NON-COMPLETION OF SCHEDULED ITEMS (INCLUDE WORD PICTURE OF MISSION OR OTHER PERTINENT DATA)

I certify that all training indicated as completed on this form to be credited toward SAC Reg 50-8 training requirements was accomplished in accordance with appropriate directives, except as listed in remarks section.

P.H. FARHART MAJ.
ACFT COMMANDER (SIGNATURE)

JAMES EDWARDS MAJ.
OPERATION'S OFFICER (SIGNATURE)

HEADQUARTERS 43RD BOMBARDMENT WING, MEDIUM
Davis-Monthan Air Force Base
Tucson, Arizona

43rd Bomb Wing (B-47) Cross-Check Form

The outline as established by Wing Reg 50-5 will be followed in completing this form.

Aircraft Number 52-062 A/C EARHART Crew No. R-35B0

Date of T/O 17 Nov 54 Total Time 47:35 Mission Type 4

PART I

A. Records to be cross-checked and forwarded to Wing Operations.

	(Initials)	A/C	Wing Staff
1. Mission Accomplishment Form (43rd BWg Form 356).	✓	EO	PP
2. In-Flight Cruise Control log.	✓	EO	PP
3. Navigator's Log (AF Form 21).	✓	EO	PP
4. AF Form 1, Part 1 (duplicate copy).	✓	EO	PP
5. Day Celestial Form "X" (SAC Form 51-11 or	✓	N/A	
6. Certify crew integrity.	✓	EO	PP

PART II

A. Records and logs to be cross-checked and processed as outlined in 43rd Bomb Wing Reg 50-5, par 3d(2).

	(Initials)	A/C	Wing Staff
1. Photo Camera Log, (Radar)(43rd BWg Form 297) (Attached to O-15 Magazine).	✓	EO	✓
2. Photo Camera Log, (Visual)(43rd BWg Form 183) (Attached to O-23 Magazine).	✓	N/A	
3. Night Celestial Form "X" (SAC Form 51-11 or 157).	✓	EO	PP
4. Grid Navigation Form "X" (SAC Form 51-11 or 157).	✓	N/A	
5. AOB's Radar Mission Report.	✓	B	
6. Certify crew integrity.	✓	EO	

FORM

43BW 358

23 DEC 53

Incl 1 to 43BW Reg 50-5, 23 Dec 53

REMARKS: _____

CERTIFICATE: I certify that each entry in the mission accomplishment forms was completed as prescribed in current directives, that each applicable form or log substantiates this accomplishment, and that disposition of the forms and logs available to me has been made in accordance with 43rd Bomb Wing Regulation 50-5.

P. H. Gerhart
Aircraft Commander

James Edwards
Sqn Staff Obs and Sqn Opns Officer